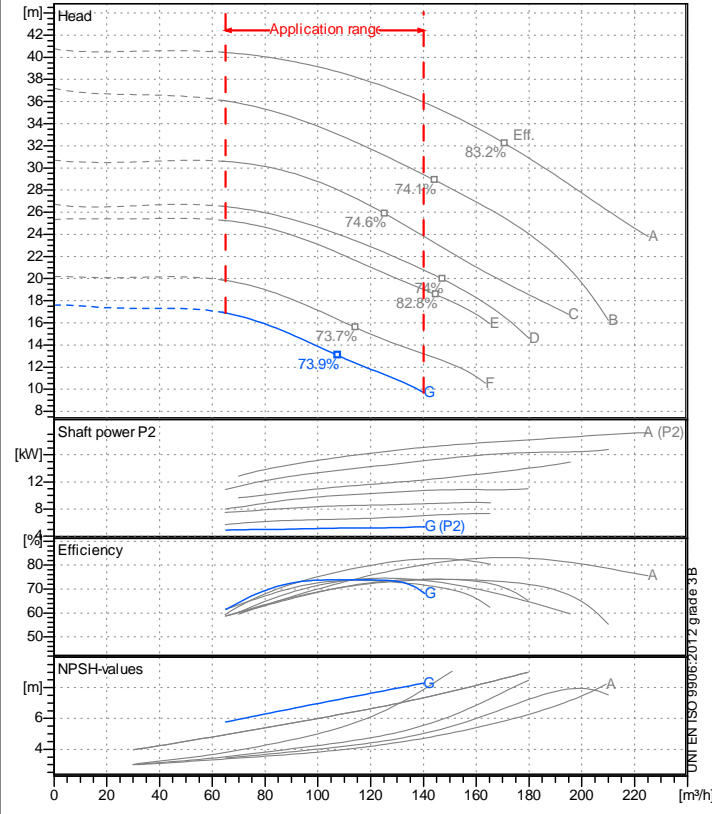


Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Receiver	From



Operating data specification

Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v value of plant	m 0
Inlet pressure	bar 0.09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/dm³ 0.9983
Kin. viscosity at t A	mm²/s 1.005

Pump

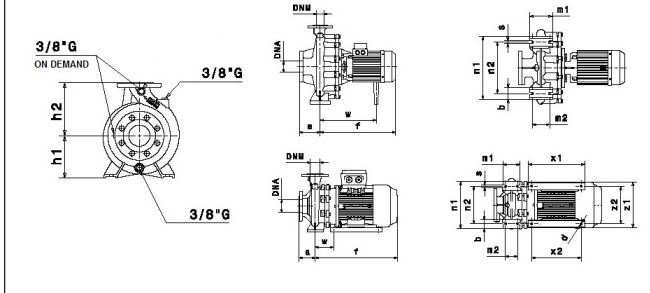
Pump name	IR80-160G		
Size	100/80/160		
MEI (Reg. 547/2002 EU) >	0,6		
Speed 1/min	2900	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	140
	Min-	m³/h	65
Head	Nominal	m	
	Max-	m	16.9
	Min-	m	9.67
Head H(Q=0)			m 17.6
NPSH 3%			m
Max. working pressure			bar 1.72
Shaft power			kW
Efficiency			%
Max absorbed power			kW 5.3905

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

Dimensions in mm

a	125	z1	0	DNM	DNA		
b	65	z2	0	C	138	C	158
d	0	D	204	D	220	DN	100
f	455	DN	80	DN	100	K	180
h1	180	n°	8 x 19 mm	K	180	n°	8 x 19 mm
h2	225	m1	125	m2	95	n1	320
m1	125	n2	250	s	14	w	310
m2	95	x1	0	x2	0		
n1	320						
n2	250						
s	14						
w	310						
x1	0						
x2	0						



Motor

Manufacturer / Type	SAER 112-2P-7,5		
Efficiency	IEC 60034-30 IE3		
Rated power kW	5.5	Efficiency 4/4	89.2 %
Number of poles	2	Frame size	112
Electric current A	10.4 A	Speed	1/min 2928
Electric voltage V	400 V	3~	Hz 50
Starting mode	Unknown		
Degree of protection	IP 55	Insulation class	F

Remarks:				
Project	Project ID	Created by	Created on	Last update
			2023-01-10	

Revision no

Pump dimensions

Connections

Suction side DN100 PN10 / PN16	Discharge port DN80 PN10 / PN16
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Dimensions in mm

a	125		
b	65		
d	0		
f	455		
h1	180		
h2	225		
m1	125		
m2	95		
n1	320		
n2	250		
s	14		
w	310		
x1	0		
x2	0		
z1	0		
z2	0		

Disegni dimensionali e immagini non vincolanti. Saer si riserva il diritto di effettuare cambiamenti senza alcun preavviso.
Dimensional drawing and picture are not binding. Saer reserves the right to make changes without prior notice.

